AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-27. (Cancelled)

28. (Currently Amended) A rechargeable electrochemical battery cell comprising:

a housing;

at least one pair of flat electrodes encased in said housing and immersed within an electrolyte, at least one of said electrodes including an electrically conductive substrate and compressed particles of an electrode material on said ~~substrate~~ electrode;

a flexible separator permeable to ions of the electrolyte, said separator enveloping said substrate and said compressed particles of an active material;

means for applying substantially uniform pressure on said electrodes in a direction substantially perpendicular to said electrodes.

29. (Previously Presented) The electrochemical cell of claim 28, wherein said substrate is made of a fabric woven from fibers of a material selected from the group consisting of carbon, synthetic material, nylon and polyester.

30. (Previously Presented) An electrochemical cell according to claim 29, wherein the thickness of the fabric is between about 10 and 100 microns.

31. (Previously Presented) An electrochemical cell according to claim 28, where the electrodes are selected from the group consisting of: Ni/Cd, Ag/Zn, Pb/PbO.

32. (Currently Amended) An electrochemical cell according to claim 28, wherein the thickness of each electrode is between about [[1]] 0.8 and 10 mm.

33. (Previously Presented) An electrochemical cell according to claim 28, wherein the particles have a particle size between about 1 and 10 microns.

34. (Previously Presented) An electrochemical cell according to claim 28, wherein said means for applying pressure comprises a spring.

35. (Previously Presented) An electrochemical cell according to claim 28, wherein the electrodes are helically wound.

36. (Currently Amended) An electrochemical cell according to claim 28, wherein the separator includes ~~is made of~~ a woven fabric having high mechanical strength.

37. (Previously Presented) An electrochemical cell according to claim 28, wherein the substrate is made of a flexible metal grid.

38 (Currently Amended) An electrochemical cell according to claim 28, wherein said substrate is made of a fabric woven from graphite fibers, said graphite fibers being coated with a ~~gas-impermeable~~ impermeable metal coating.

39. (Previously Presented) An electrochemical cell according to claim 38, wherein said metal coating has thickness of about 5 to 15 microns.

40. (Currently Amended) An electrochemical cell according to claim 38 [[28]], wherein the cell is a Silver-Zinc rechargeable cell, and wherein the coating on fibers of

cathode substrate ~~the cathode coating~~ is made of a material selected from the group consisting of Nickel and Silver and the coating on fibers of anode substrate ~~the anode coating~~ is made of a material selected from the group consisting of tin, indium, cadmium, and lead~~, and Zinc~~.

41. (Previously Presented) An electrochemical cell according to claim 28, wherein said housing is elastic and wherein said means for applying pressure comprises said elastic housing.

42. (Currently Amended) An electrochemical cell according to claim 28, wherein at least one separator is made of a material that swells ~~capable of swelling~~ within the electrolyte, thereby ~~and wherein said means for~~ applying said pressure on said electrodes ~~comprises said separator~~.

43. (Previously Presented) An electrochemical cell according to claim 28, wherein the separator is made of a material impermeable to ions of said electrode materials.

44. (Currently Amended) An electrochemical cell according to claim [[44]] 28, in which said separator is made of polyethylene-polypropylene film.

45. (Previously Presented) An electrochemical cell according to claim [[44]] 28, in which said separator is made of porous material capable of impeding growth of dendrites during functioning of the cell.

46. (Previously Presented) An electrochemical cell according to claim 28, wherein said active materials are carbon and Silver.